

CLAIM AMENDMENTS

1. (Currently amended) A method of controlling a motor driven throttle valve, in which ~~the~~ an opening of said throttle valve is controlled by controlling ~~the~~ a supply capability to a motor for driving the throttle valve based on ~~the~~ a target opening and ~~the~~ an actual opening of said throttle valve,

wherein the ~~supply capability to said motor is corrected~~ opening of the throttle valve is controlled by carrying out PID control on a deviation between a target opening command value and a value representing the actual opening, and at least one gain parameter of said PID control is changed according to ~~the~~ a temperature of ~~said~~ the motor.

2. (Currently amended) ~~The~~ A method of controlling the motor driven throttle valve according to claim 1, wherein ~~said supply capability to the motor is obtained the deviation between said target opening and the actual opening by carrying out the PID operation~~ the gain parameter is set to a larger value as the deviation is smaller.

3. (Currently amended) ~~The~~ A method of controlling the motor driven throttle valve according to claim 1, wherein ~~the~~ a temperature of ~~the~~ a winding of said motor is used as the temperature of said motor.

4. (Currently amended) ~~The~~ A method of controlling the motor driven throttle valve according to claim 1, wherein ~~the~~ a temperature of ~~the~~ a housing of

the motor is used as the temperature of said motor.

5. (Currently amended) ~~The~~ A method of controlling the motor driven throttle valve according to claim 1, wherein ~~the~~ a temperature of ~~the~~ engine cooling water is used as the temperature of said motor.

6. (Currently amended) A control device for a motor driven throttle valve, in which ~~the~~ an opening of the throttle valve ~~are~~ is controlled by ~~the~~ a motor, and ~~the~~ a control amount of an accelerator pedal is included as one of a plurality of control parameters for determining ~~the~~ a supply capability to the motor,

wherein, in a condition in which the throttle valve is fixed to ~~the~~ an opening ~~when in which the~~ control parameter ~~for determining the supply capability to the motor~~ is maintained ~~to~~ at a constant value, ~~and the~~ a change rate of change of the ~~supply~~ electric current ~~and the applied~~ supplied to or voltage applied to the motor ~~with respect to time~~ when the accelerator pedal is stepped down ~~under such a condition~~ is different depending on the temperature of the motor, and wherein the opening of the throttle valve is controlled by carrying out PID control on a deviation between a target opening command value and a value representing the actual opening, and at least one gain parameter of said PID control is changed according to the temperature of the motor.

7. (Currently amended) ~~The~~ A control device for ~~a~~ the motor driven throttle valve according to claim 6, wherein ~~the~~ a temperature of ~~the~~ a winding of said motor is used as the temperature of said motor.

8. (Currently amended) ~~The~~ A control device for a ~~a~~ the motor driven throttle valve according to claim 6, wherein ~~the~~ a temperature of ~~the~~ a housing of the motor is used as the temperature of said motor.

9. (Currently amended) ~~The~~ A control device for a ~~a~~ the motor driven throttle valve according to claim 6, wherein ~~the~~ a temperature of ~~the~~ engine cooling water is used as the temperature of said motor.

10-29. (Cancelled)